CLAIMS

What is claimed is:

1. A book producing system for producing a book, which consists of a text
part and an illustration part, comprising:

5   a video-receiving module for receiving video source data;

a decoding module for decoding the video source data to obtain video data;

a text-extracting module for extracting the text part from the video data
according to a production guide;

an illustration-extracting module for extracting a key frame from the video
10   data according to the production guide, the key frame serving as the illustration
part; and

a book-producing module for producing the book according to the extracted
text part and illustration part.

2. The book producing system according to claim 1, further comprising:

15   an editing module for receiving a command from a user to edit contents of
the book after the book is produced.

3. The book producing system according to claim 1, further comprising:

a book-template-selecting module for receiving a selection from a user to
provide at least one book template, the book-producing module producing the

book by utilizing the book template.

4. The book producing system according to claim 1, further comprising:

a production-guide-selecting module for receiving a command from a user to select the production guide.

5. The book producing system according to claim 1, wherein the production guide comprises an audio-analyzing algorithm by which audio data in the video data are analyzed, the text-extracting module extracts the audio data to obtain the text part according to the audio-analyzing algorithm, and the illustration-extracting module extracts image data from the video data corresponding to the audio data as the illustration part.

6. The book producing system according to claim 1, wherein the production guide comprises a caption-analyzing algorithm by which caption data in the video data are analyzed, the text-extracting module extracts the caption data to obtain the text part according to the caption-analyzing algorithm, and the illustration-extracting module extracts image data from the video data corresponding to the caption data as the illustration part.

7. The book producing system according to claim 1, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed according to an image sample, the illustration-extracting module extracts the image data to obtain the illustration part according to the image-analyzing algorithm, and the text-extracting module extracts the text part

from the video data corresponding to the image data.

8. The book producing system according to claim 1, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed according to an object, the illustration-extracting module extracts the image data to obtain the illustration part according to the image-analyzing algorithm, and the text-extracting module extracts the text part from the video data corresponding to the image data.

9. The book producing system according to claim 1, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed, the text-extracting module extracts captions in the image data as the text part, and the illustration-extracting module extracts the image data as the illustration part.

10. The book producing system according to claim 1, wherein the production guide comprises a scene/shot shift-analyzing algorithm by which scene/shot shifts of image data in the video data are analyzed, the text-extracting module and the illustration-extracting module use the scene/shot shift-analyzing algorithm as a selection and segmentation guide for the text part and the illustration part.

11. A book producing method for producing a book, which consists of a text part and an illustration part, comprising:

a video-receiving step for receiving video source data;

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a decoding step for decoding the video source data to obtain video data;

a text-extracting step for extracting the text part from the video data according to a production guide;

an illustration-extracting step for extracting a key frame from the video data

5   according to the production guide, the key frame serving as the illustration part; and

a book-producing step for producing the book according to the extracted text part and illustration part.

12. The book producing method according to claim 11, further comprising:

10   an editing step for receiving an operation from a user to edit contents of the book after the book is produced.

13. The book producing method according to claim 11, further comprising:

a book-template-selecting step for receiving a command from a user to select at least one book template, the book-producing step producing the book by

15   utilizing the book template.

14. The book producing method according to claim 11, further comprising:

a production-guide-selecting step for receiving a selection from a user to provide the production guide.

15. The book producing method according to claim 11, wherein the

production guide comprises an audio-analyzing algorithm by which audio data in the video data are analyzed, the text-extracting step is performed for extracting the audio data to obtain the text part according to the audio-analyzing algorithm, and the illustration-extracting step is performed for extracting image data from the video data corresponding to the audio data as the illustration part.

16. The book producing method according to claim 11, wherein the production guide comprises a caption-analyzing algorithm by which caption data in the video data are analyzed, the text-extracting step is performed for extracting the caption data to obtain the text part according to the caption-analyzing algorithm, and the illustration-extracting step is performed for extracting image data from the video data corresponding to the caption data as the illustration part.

17. The book producing method according to claim 11, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed according to an image sample, the illustration-extracting step is performed for extracting the image data to obtain the illustration part according to the image-analyzing algorithm, and the text-extracting step is performed for extracting the text part from the video data corresponding to the image data.

18. The book producing method according to claim 11, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed according to an object, the illustration-extracting step is performed for extracting the image data to obtain the illustration part according

to the image-analyzing algorithm, and the text-extracting step is performed for extracting the text part from the video data corresponding to the image data.

19. The book producing method according to claim 11, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed, the text-extracting step is performed for extracting captions in the image data as the text part, and the illustration-extracting step is performed for extracting the image data as the illustration part.

20. The book producing method according to claim 11, wherein the production guide comprises a scene/shot shift-analyzing algorithm by which scene/shot shifts of image data in the video data are analyzed, the text-extracting step and the illustration-extracting step are performed using the scene/shot shift-analyzing algorithm as a selection and segmentation guide for the text part and the illustration part.

21. A recording medium on which is recorded a program to enable a computer to perform a book producing method, the book producing method comprising:

a video-receiving step for receiving video source data;

a decoding step for decoding the video source data to obtain video data;

a text-extracting step for extracting the text part from the video data according to a production guide;

an illustration-extracting step for extracting a key frame from the video data according to the production guide, the key frame serving as the illustration part; and

a book-producing step for producing the book according to the extracted

5   text part and illustration part.

22. The recording medium according to claim 21, wherein the book producing method further comprises:

an editing step for receiving an operation from a user to edit contents of the book after the book is produced.

10   23. The recording medium according to claim 21, wherein the book producing method further comprises:

a book-template-selecting step for receiving a command from a user to select at least one book template, the book-producing step producing the book by utilizing the book template.

15   24. The recording medium according to claim 21, wherein the book producing method further comprises:

a production-guide-selecting step for receiving a command from a user to select the production guide.

25. The recording medium according to claim 21, wherein the production

20   guide comprises an audio-analyzing algorithm by which audio data in the video

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data are analyzed, the text-extracting step is performed for extracting the audio data to obtain the text part according to the audio-analyzing algorithm, and the illustration-extracting step is performed for extracting image data from the video data corresponding to the audio data as the illustration part.

5   26. The recording medium according to claim 21, wherein the production guide comprises a caption-analyzing algorithm by which caption data in the video data are analyzed, the text-extracting step is performed for extracting the caption data to obtain the text part according to the caption-analyzing algorithm, and the illustration-extracting step is performed for extracting image data from the video

10   data corresponding to the caption data as the illustration part.

27. The recording medium according to claim 21, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed according to an image sample, the illustration-extracting step is performed for extracting the image data to obtain the illustration part according to

15   the image-analyzing algorithm, and the text-extracting step is performed for extracting the text part from the video data corresponding to the image data.

28. The recording medium according to claim 21, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed according to an object, the illustration-extracting step is

20   performed for extracting the image data to obtain the illustration part according to the image-analyzing algorithm, and the text-extracting step is performed for extracting the text part from the video data corresponding to the image data.

29. The recording medium according to claim 21, wherein the production guide comprises an image-analyzing algorithm by which image data in the video data are analyzed, the text-extracting step is performed for extracting captions in the image data as the text part, and the illustration-extracting step is performed for extracting the image data as the illustration part.

30. The recording medium according to claim 21, wherein the production guide comprises a scene/shot shift-analyzing algorithm by which scene/shot shifts of image data in the video data are analyzed, the text-extracting step and the illustration-extracting step are performed using the scene/shot shift-analyzing algorithm as a selection and segmentation guide for the text part and the illustration part.